

```

In[37]:=  $\alpha = 0.5; \beta = 0.4;$ 
bo = {0, 0};
ba = {Cos[ $\alpha + \beta$ ], 0};
bb = {Cos[ $\alpha$ ] * Cos[ $\beta$ ], 0};
bc = {Cos[ $\alpha + \beta$ ], Sin[ $\alpha$ ] * Cos[ $\beta$ ]};
bd = {Cos[ $\alpha$ ] * Cos[ $\beta$ ], Sin[ $\alpha$ ] * Cos[ $\beta$ ]};
be = {Cos[ $\alpha + \beta$ ], Sin[ $\alpha + \beta$ ]};
h = be - ba;
g = Graphics[{
  {Black, Line[{bo, be}]},
  {Black, Line[{bo, ba}]},
  {Blue, Line[{ba, bb}]},
  {Green, Line[{ba, bc}]},
  {Red, Line[{bc, be}]},
  {Brown, Line[{be, bd}]},
  {Green, Line[{bb, bd}]},
  {Blue, Line[{bc, bd}]},
  {Black, Line[{bo, bd}]},
  Text["1", 0.5 be + 0.05 h],
  Text[" $\alpha$ ", 0.2 ba + 0.04 h],
  Text[" $\beta$ ", 0.15 ba + 0.1 h],
  Text["cos  $\beta$ ", 0.5 bd + 0.05 (be - ba)],
  {Brown, Text["sin  $\beta$ ", 0.93 bd + 0.3 h]},
  {Green, Text["cos  $\beta$  sin  $\alpha$ ", 1.12 bb + 0.2 h]},
  Text[" $\alpha$ ", 0.795 bd + 0.45 h],
  {Red, Text["cos  $\alpha$  sin  $\beta$ ", 0.85 ba + 0.7 h]},
  Text["Proč je sin( $\alpha + \beta$ ) = sin  $\alpha$  cos  $\beta$  + cos  $\alpha$  sin  $\beta$ ", 0.5 bb + 1.05 h],
  Text["Pavel.Pokorny@vscht.cz", 0.55 bb - 0.1 h]
}]

```

Out[45]=

